	Application No.	Applicant(s)
Notice of Allowability	10/785,310	FORBES, LEONARD
	Examiner	Art Unit
	Tu-Tu Ho	2818
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT (of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communicat GHTS. This application is subject	e correspondence address application. If not included tion will be mailed in due course. THIS
1. \boxtimes This communication is responsive to <u>Amendment filed 12/2</u>	<u>2/2005</u> .	
2. ☑ The allowed claim(s) is/are <u>1-40</u> .		
 3. Acknowledgment is made of a claim for foreign priority under a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents 	been received. been received in Application No	· ,
International Bureau (PCT Rule 17.2(a)).	dinents have been received in the	is national stage application from the
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		oly complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be submi- INFORMAL PATENT APPLICATION (PTO-152) which give		
5. CORRECTED DRAWINGS (as "replacement sheets") must	t be submitted.	
(a) 🔲 including changes required by the Notice of Draftsperso	on's Patent Drawing Review (PT	O-948) attached
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.3)		
each sheet. Replacement sheet(s) should be labeled as such in the	ne header according to 37 CFR 1.1	21(d).
 DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F 	sit of BIOLOGICAL MATERIA FOR THE DEPOSIT OF BIOLOG	L must be submitted. Note the GICAL MATERIAL.
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		
3. M Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 12/22/2005		
Examiner's Comment Regarding Requirement for Deposit of Biological Material	_	ement of Reasons for Allowance
	9.	147-
		Tu-Tu Ho Jan. 11, 2006

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DETAILED ACTION

1. Applicant's Amendment filed 12/22/2005 has been reviewed and placed of record in the file.

Allowable Subject Matter

2. Claims 1-40 are allowable over the prior art of record.

The following is an examiner's statement of reasons for allowance: The prior art of record fails to teach or render obvious a memory device and a method of forming thereof having all exclusive limitations as recited in claims 1, 4, 7, 13, 14, 15, 25, 27, and 40, comprising a substrate, an NROM memory cell, and a select gate; the substrate having two pillars and a trench therebetween, the NROM memory cell formed vertically on a first sidewall of the trench, the select gate formed on a second sidewall of the trench, the select gate coupled to the NROM memory cell by a first source/drain region (S/D region) formed at the bottom of the trench; wherein the device and method thereof is further characterized in that the memory device comprises a NOR architect NROM memory array including said trench; or in that the device and method thereof further includes a word line (WL), a select line (SL), a first bitline (BL1) and a second bitline (BL2), the WL coupled to a control gate of the NROM memory cell, the SL coupled to a control gate of the select gate, and the BL2 coupled to a S/D of the NROM memory cell.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

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3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tu-Tu Ho whose telephone number is (571) 272-1778. The examiner can normally be reached on 6:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DAVID NELMS can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tu-Tu Ho

January 11, 2006